

Detailed Estimate for Grade Crossing Warning Devices

City/State: CERRO GORDO, IL
 MilePost: D-362.34
 State Proj. No.:
 S&E Proj. No.: 04.0558
 Man Days: 80

Road: TR 14
 DOT/AAR: 479164S
 County: PIATT
 AFE: F01769
 File Number: 061-04.528

*****Purchases - Other*****

Meals and Lodging:	\$6,630.00
Rental of Equipment:	\$14,480.00
(2 Trucks, 1 Backhoe w/ Trailer and 1 Pipe-Pusher for 20 Days)	
Construction Supervision Vehicle:	\$270.00
Contingencies:	\$510.00
Purchases - Other Total:	\$21,890.00

***** Material and Additives*****

Material Cost:	\$69,350.00
Sales and Use Tax:	\$3,470.00
Material Handling Freight:	\$6,590.00
Material Total:	\$79,410.00

*****Labor and Additives*****

Labor Cost:	\$17,040.00
(4 man crew at \$852.00 a day for: 20 days)	
Payroll Tax & Overheads:	\$14,750.00
Preliminary Engineering:	\$7,600.00
Construction Supervision:	\$4,810.00
Labor Total:	\$44,200.00
Subtotal:	\$145,500.00
Credit:	\$0.00
(Salvage/Scrap)	
Project Total:	\$145,500.00

Estimated on: 01-Dec-03

Estimated by: ndr3j

Estimate valid for 1 year from date of estimate

Do not substitute items without permission from S & E Engineering

City:	CERRO GORDO
Road:	TR 14
Milepost:	D-362.34
Drawing Number:	LDFS36234
State Project Number:	
County:	PIATT
A A R Number:	479164S
Project Number:	04.0558
File Number:	061-04.528
A F E Number:	F01769
Store Number:	06921
Supervisor:	B.E. LANE
Tax Code:	1200
Vendor to supply the following copies after pricing: 1 Set - Material Management with original invoice 2 Sets - with plans shipped in car with material 1 Set - S&E Gen. Supt. Construction w/ copy of invoice	

01-Dec-03

Exh. B-4, P 2

Location: CERRO GORDO IL			S&E Proj. No.: 04.0558		AFE No.: F01769		Drawing No.: LDFS36234		Page 1 / 4	
Store No.: 06921			P.O. Number:		Date Required:		Date Shipped:		Vendor: Safetran Systems Corp.	
Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed Date Quan.	Quantity Returned (Credit)	Special Instructions	
3	670-360693-4	EA	\$4.82	\$14.46	AAR/DOT NUMBER PLATE/DECAL, ORDER 3 PER PROJECT. 60 DAY LEAD TIME. SUPPLIED BY STRAN.					
1	165-006505-4	EA	\$1,028.00	\$1,028.00	AC SERVICE, COMPLETE LESS METER BASE, ASSEMBLED ON 30' POLE					
2	670-001321-4	EA	\$246.66	\$493.32	ARM, GATE FIBERGLASS-ALUMINUM 17-24 FT., L&W OR US&S OR SAFETRAN 076600-240017 OR					
13	105-871901-4	EA	\$154.22	\$2,004.81	BATTERY, GNB 265AH MODEL 50A11 SINGLE CELL 2.25 VOLTS					
1	670-503047-4	EA	\$185.75	\$185.75	BELL, CROSSING ELECTRONIC GENERAL SIGNAL, EB-3-360-5 CR 02-044350					
2	670-980689-4	EA	\$63.71	\$127.41	BRACKET HIGH WIND, (RIGID 3'), WIG- 191036, WALRUS TUSK TYPE					
2	670-561375-4	EA	\$1,201.20	\$2,402.40	BRACKET, GATE SAVER, NEG385102GS, SPRING LOADED SWING AWAY ADAPTER FOR FIBERGLASS/ALUMINUM GATES, USE WITH GATE 28' AND LESS					
600	465-292862-4	LF	\$1.00	\$601.74	CABLE, U-2-6 TWISTED, S-23 OKONITE 113-12-3933 SOLID TINNED CONDUCTOR					
300	465-292929-4	LF	\$3.00	\$899.58	CABLE, U.G. 5 COND. NO. 6 AWG SOLID COPPER CABLE TO MEET NS CORP. SPEC. FOR SIGNAL					
300	465-939422-4	LF	\$2.56	\$767.55	CABLE, UG 12 CONDUCTOR NO 14 AWG SOLID EACH CONDUCTOR WITH 5/64 IN INSULATION 10 MIL					
300	465-791835-4	FT	\$1.96	\$587.40	CABLE, UG AC ENTRANCE 3C#6-7X OKONITE FMPP-L 094-078 TR W/G 1 X 8 7X W010 BRZ TAPE 600V PRODUCT CODE 206-11-6070					
4	670-001454-4	EA	\$1.64	\$6.55	CLIP, CADWELD TRACK CIRCUIT RETAINER PART NO. SBA206 1/2 DIA 50 CLIPS PER PACKAGE, CR 02-729208					
80	165-544477-4	FT	\$2.00	\$159.65	CONDUIT, 4"x10" PVC, SCHEDULE 80 BELL CONNECTOR AT ONE END, 1/2 PT. GLUE IN KIT 670-123298-4					
4	670-090450-4	EA	\$49.62	\$198.50	CONNECTOR, WELDED FAR RAIL HARMON A1000-2W					

APPROVED BY STATE

APPROVED BY RAILROAD

CAR NUMBER

SEAL NUMBER

Exh. B-4, p3

Location: CERRO GORDO IL		S&E Proj. No.: 04.0558		AFE No.: F01769		Drawing No.: LDFS36234		Page 2/4		
Store No.: 06921		P.O. Number:		Date Required:		Date Shipped:		Vendor: Safetran Systems Corp.		
Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed		Quantity Returned (Credit)	Special Instructions
4	670-486646-4	EA	\$40.66	\$162.64	CONNECTOR, WELDED NEAR RAIL HARMON A1000-1W		Date Quan.	Date Quan.		
2	670-793404-4	EA	\$838.38	\$1,676.76	COUNTERWEIGHT PKAGE, 17-24" GATE S'TRAN S- MECH ONLY, STAINLESS, TO INCLUDE HUB, SUPPORT ARMS					
4	670-760012-4	EA	\$34.90	\$139.59	COVER, FOR 1 WAY FLASHING LIGHT ASSY. 18 OZ. BLACK VINYL COATED NYLON. ==== TO COVER 2 LAMPS=====					
3	670-080337-4	EA	\$0.73	\$2.18	DECAL, X'ING SIGNAL MALFUNCTION 11" X 4", GATE MOUNT					
3	670-077544-4	EA	\$0.54	\$1.63	DECAL, X'ING SIGNAL MALFUNCTION 6" X 6", MAST MOUNT					
1	670-986650-4	EA	\$361.26	\$361.26	DISPOSAL, CONSTRUCTION DEBRIS AND CLEANING X'ING EQUIPMENT CONTAINER					
1	670-000004-4	EA	\$281.44	\$281.44	FCC LICENSE FOR MONITOR/RADIO					
5	670-000003-4	EA	\$255.85	\$1,279.25	FILL/STONE #57, QUANTITY IS BASED ON TRUCK LOAD PLUS DELIVERY COST					
2	670-015231-4	EA	\$381.69	\$763.37	FOUNDATION, DIXIE, S-2 GATE 5'6" ASSEMBLED					
1	670-477991-4	EA	\$292.81	\$292.81	KIT, GROUNDING ASSY FOR AL I/S INCLUDES 8 GRD RDS, 200# WIRE, 12 4 WIRE ONE-SHOTS. ERICO SBK206					
1	670-123298-4	EA	\$256.93	\$256.93	KIT, HARDWARE SUPPLIES REQUIRED X'ING P'CKAGES. WEB CONNECTORS FOR SHUNT(8EA) TAPE, AMPS, P'GUM PAINT, SLEEVES, TAGS, GLUE, 100 EA WHITE TAGS, JNE CAN BLUE MARKING PAINT ETC...					
2	670-764166-4	EA	\$907.09	\$1,814.18	LAMP ASSY, 5" MAST MTG. 2W IND. 20" BKGRD, FLX-12 W/BULB S'TRAN #042003-487XNS					
6	165-643547-4	EA	\$8.43	\$50.60	LAMP, 18 WATT 10 VOLT S-11 SC BAY 18S11/1/SC CLEAR RWY SIGNAL UJ-71463 GE					
4	255-590880-4	EA	\$15.62	\$62.47	LOCK, AMERICAN LOCK MODEL H-10KA KEYS ALIKE TO PRIVATE KEYWAY D456 AND STAMPED "NS SIG"					

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CAR NUMBER

SEAL NUMBER

Exh. B-4, p 4

Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed		Quantity Returned (Credit)	Special Instructions
							Date	Quan.		
2	670-637778-4	EA	\$1,055.55	\$2,111.09	MAST, 5" ALUMINUM 13'10" WITH DOUBLE JCT. BOX BASE. S'TRAN P# 070519-11AX.					
2	670-521147-4	EA	\$2,932.81	\$5,865.62	MECHANISM, GATE MODEL S40, WITH CONTACT HEATER, COMPLETE WIRELAY S'TRAN # 074000-W00090					
4	670-001347-4	EA	\$57.98	\$231.90	PACKAGE, HARDWARE SIGN 5 IN. MOUNTING, SERRMI A1250-5, HARMON @200965-000, OR					
1	255-646807-4	EA	\$9.49	\$9.49	PADLOCK, SAFETRAN PART NO. 030399-29X SCREW TYPE FOR CIR CONTROLLER AND BTY. BOX					
1	670-514605-4	EA	\$8.43	\$8.43	PINNACLE, W-C SECT 1-11, 4" & 5" REF K1 110-8 OR SAFETRAN NO. @035045-503X					
1	165-902002-4	EA	\$308.00	\$308.00	PROTECTOR, SURGE 120/240VAC, ERICO P/N EPD120/240TDFL					
4	465-002899-4	EA	\$20.88	\$83.51	REEL, CABLE DISPOSABLE FOR CROSSING SIGNAL PACKAGES					
2	435-805560-4	EA	\$6.25	\$12.50	SAND, 25LB BAG FOR CABLE ENTRANCE INTO THE SHELTER					
1	670-391911-4	EA	\$5,329.57	\$5,329.57	SEARII AUTOMATED INSPECTOR SYSTEM KIT, w/ 1- ILOD, 1-BSX, 2-GTS, 2- MTSS, 1-GFT, 1-VHFC, 2- RECORDER INTERFACE MODULE, 1- ECHELON CONNECTOR					
1	670-281280-4	EA	\$7,006.00	\$7,006.00	SHELTER BARE 6X6, ALUMN, FARADAY, W/CABLE CHUTES BEHIND TERMINAL BOARD, W/GEN. CONN. W/ADJUSTABLE PIERS, SAFETRAN P/N 058400-66-78A					
4	670-586967-4	EA	\$34.74	\$138.98	SHUNT COVER W/LAG SCREWS, 19"X19", SERRMI #40271, ORDER 1 PER SHUNT					
2	670-652773-4	EA	\$470.56	\$941.12	SHUNT, MULTI-FREQ. #62775-1543 SAFETRAN NARROW BAND					
2	670-645460-4	EA	\$526.00	\$1,051.99	SHUNT, MULTI-FREQ. #62775-8621 SAFETRAN NARROW BAND					
2	670-806648-4	EA	\$56.42	\$112.84	SIGN, X-BUCK, LESS HARDWARE, SAFETRAN 035200-X CR 02-490546					

M xh.B-4,p5

Location: CERRO GORDO IL			S&E Proj. No.: 04.0558		AFE No.: F01769		Drawing No.: LDFS36234		Vendor: Safetran Systems Corp.			
Store No.: 06921			P.O. Number:		Date Required:		Date Shipped:					
Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed		Quantity Returned (Credit)	Special Instructions		
2	670-353390-4	EA	\$43.04	\$86.09	SIGN, "2 TRACKS" LESS HARDWARE SAFETTRAN 035207-2X		Date Quan.	Date Quan.				
2	670-006438-4	EA	\$10.54	\$21.08	TAPE, 4" X 96" REFLECTIVE APPLY TO BACK OF X-BUCK SIGN. ONLY IN IA., IN., IL., AL. 035200-555X							
1	670-330382-4	RL	\$10.75	\$10.75	TAPE, THOR 3" DURATEC, ORANGE 1000' LENGTHS. "WARNING STOP DIGGING"							
1	670-405488-4	EA	\$29,396.00	\$29,396.00	WIRED RACK, 6X6 FARADAY, COMPLETE/GCP3000D2 DOUBLE TRK, 20 AMP SSCIII, 4 ISL MOD, 2 CRAGG CHARGER 2 RELAY RACKS, SAFTRAN P/N T15384, USE WITH I/S 670-786834-4							

APPROVED BY STATE

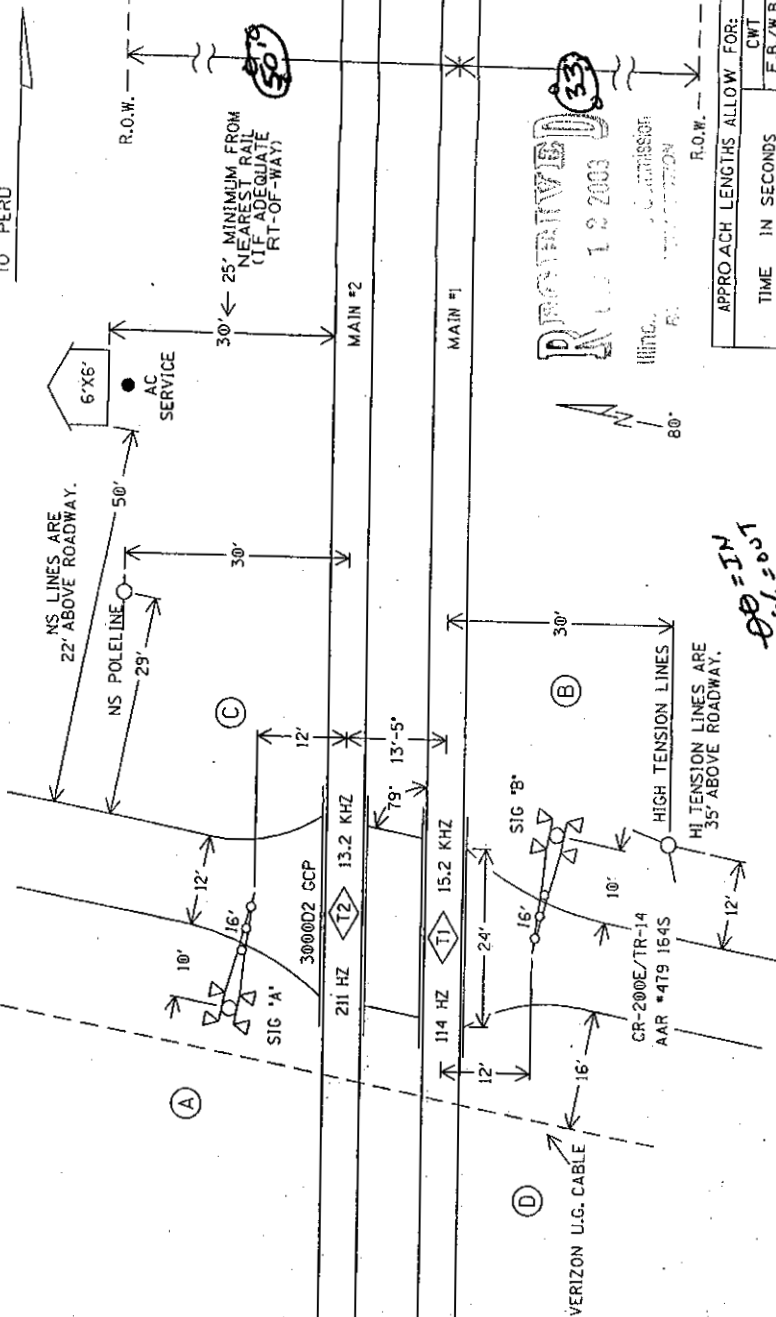
APPROVED BY RAILROAD

CAR NUMBER

SEAL NUMBER

TO DECATUR

TO PERU



NOTES:

1. MAX. TRAIN SPEED 60 M.P.H.
2. LATITUDE N 39° 53' 45" LONGITUDE W 88° 42' 25" ELEVATION 714'.
3. SIGNAL "A" TO HAVE BELL.
4. LOCATE U/G UTILITIES & CABLE BEFORE DIGGING.
5. CROSSING LOCATED IN BIAIL COUNTY.
6. NEAREST STREET ADDRESS IS 702N 200E
7. NEAREST INTERSECTING STREET IS CR 700N
8. DISTANCE TO NEAREST INTERSECTING STREET IS 500 FT.
9. CONTAINER TO BE LOCATED AT NS OFFICE ON WILSON ST.

(A) (B) (C) (D) = QUADRANT MARKERS

IN SERVICE	SIGNED	DATE
<input type="checkbox"/>	S&E ENGINEERING COPY	
<input type="checkbox"/>	CONSTRUCTION OFFICE COPY	
<input type="checkbox"/>	RETURN TO S&E ENG. AFTER COMPLETION	
<input type="checkbox"/>	FIELD COPY	
<input type="checkbox"/>	RETURN TO CASE AFTER COMPLETION	
<input type="checkbox"/>	PROJECT ENGINEER COPY	

DD = IM
01 = 0.1
* C.P. 1-03

APPROACH LENGTHS ALLOW FOR:	
TIME IN SECONDS	CWT
STANDARD MUTCD MIN. TIME	E.B./W.B. APPROACH
DESIGNED WARNING TIME	20
EQUIPMENT RESPONSE TIME	30
TOTAL TIME	5
MAX. SPEED (M.P.H.)	35
APPROACH DISTANCE (FEET)	60
	3087

SCALE: 1" = 20'
PROJECT #04.0558 LAYOUT

DESIGNED BY:	MLT 11-19-03
DRAWN BY:	SSC 11-19-03
CHECKED BY:	LAR 11-21-03
IN SERVICE:	
FILE NO.	061-04.528
COMPANY	NS NORFOLK SOUTHERN
OFFICE OF ASST. VICE PRESIDENT	COMM. & SIGNAL, ATLANTA, GA.
M.P.	D-362.34
DECATUR, IL TO PERU IN	
CERRO GORDO, IL FLGS AT CR-200E/TR-14	
LAFAYETTE DISTRICT	
FILE NO.	R-
SHEET	

PROPERTY
NORFOLK SOUTHERN RAILWAY CO.

COST ESTIMATES

DOT 479 156A, MP 356.67-WA, 750E/TR 60

Materials	\$1,440.00
Labor & Equipment	4,500.00
RR Protective Liability Insurance	3,500.00
RR Flagging	<u>700.00</u>
TOTAL	\$10,500.00

DOT 479 160D, MP 360.27-WA, 400E/TR28

Materials	\$7,044.00
Labor & Equipment	5,000.00
RR Protective Liability Insurance	3,500.00
RR Flagging	<u>700.00</u>
TOTAL	\$16,244.00

DOT 479 162D, MP 361.34-WA, 300E/TR20

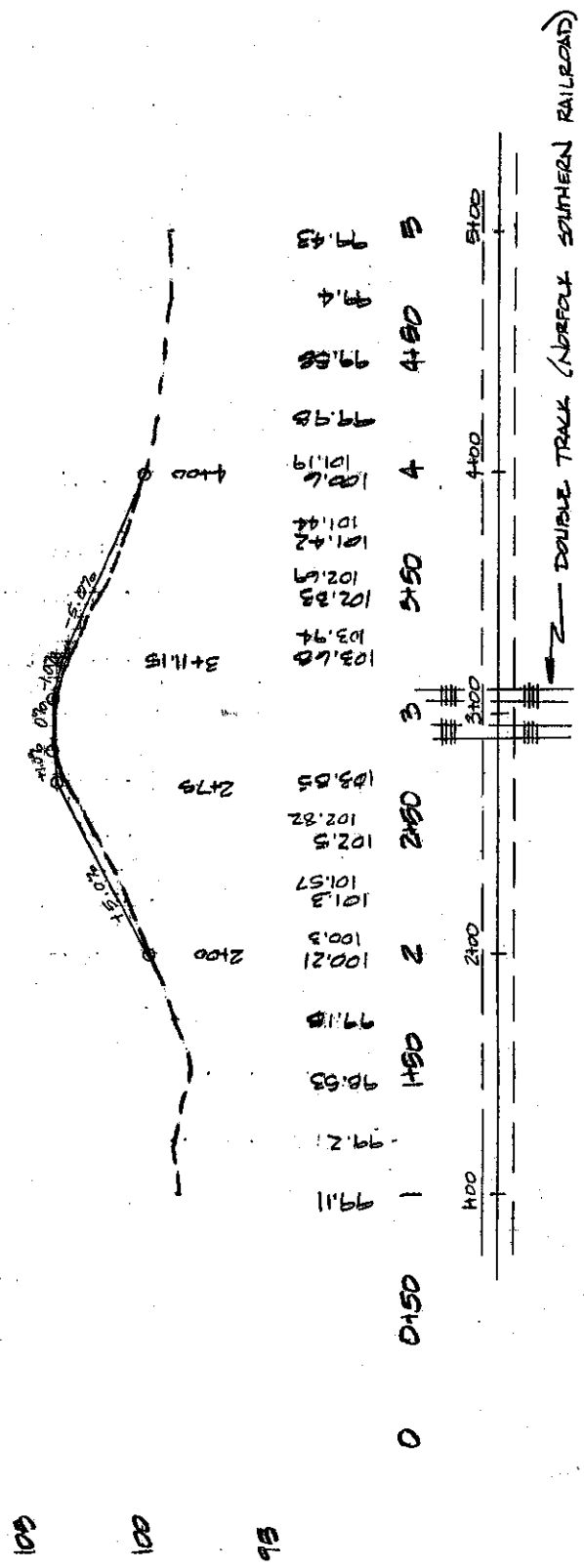

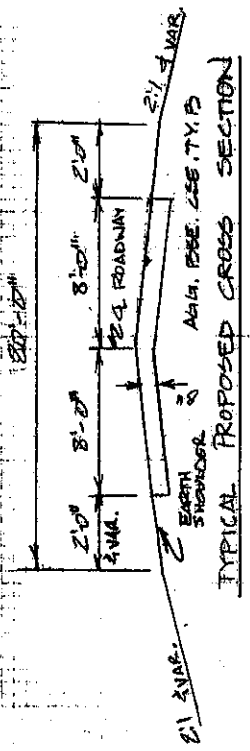
Materials	\$5,752.00
Labor & Equipment	5,000.00
RR Protective Liability Insurance	3,500.00
RR Flagging	<u>700.00</u>
TOTAL	\$14,942.00

DOT 479 164S, MP 362.34-WA, 200E/TR14

Materials	\$1,880.00
Labor & Equipment	5,000.00
RR Protective Liability Insurance	3,500.00
RR Flagging	<u>700.00</u>
TOTAL	\$11,080.00

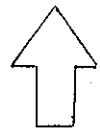
SECTION DOT 479 150A, HP 386, 6/7/68
PIATT COUNTY 750E/TRELO

3409.15 N. RAIL N. TRACKS 104.19
2490.75 S. RAIL S. TRACKS 104.32



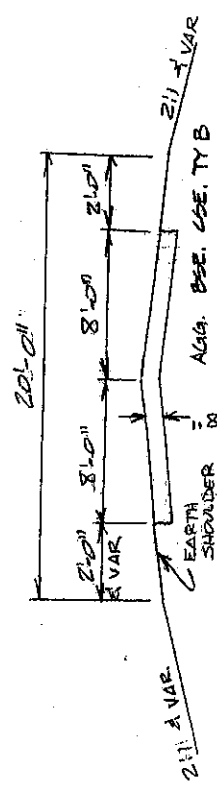
SECTION DOT 479 100P, MP 360.27-VA
PIATT COUNTY 400E/7228

Exh. b. + c-2



NORTH

SOUTH RAIL SOUTH TRACKS 103.9
NORTH RAIL NORTH TRACKS 104.0

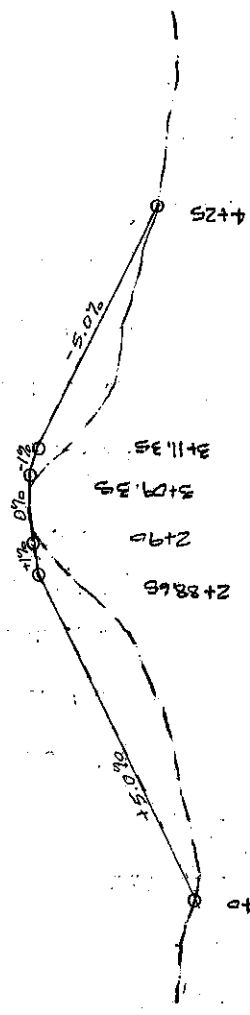


TYPICAL PROPOSED CROSS SECTION

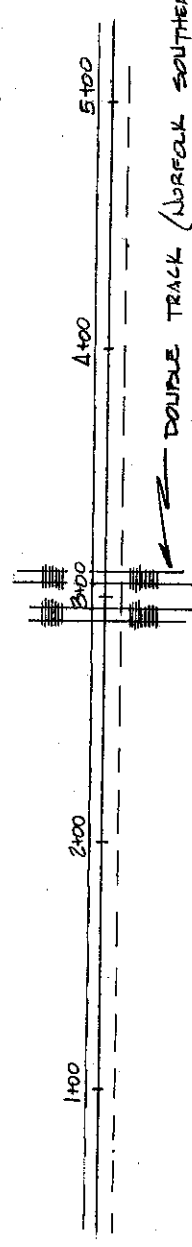
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100

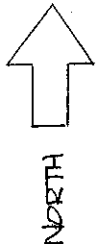
95



0	0+50	1	0+50	2	1+00	3	1+50	4	2+00	5	2+50	6	3+00	7	3+50	8	4+00	9	4+50	10	5+00	11	5+25
97.9	97.8	97.7	97.6	97.5	97.4	97.3	97.2	97.1	97.0	96.9	96.8	96.7	96.6	96.5	96.4	96.3	96.2	96.1	96.0	95.9	95.8	95.7	95.6



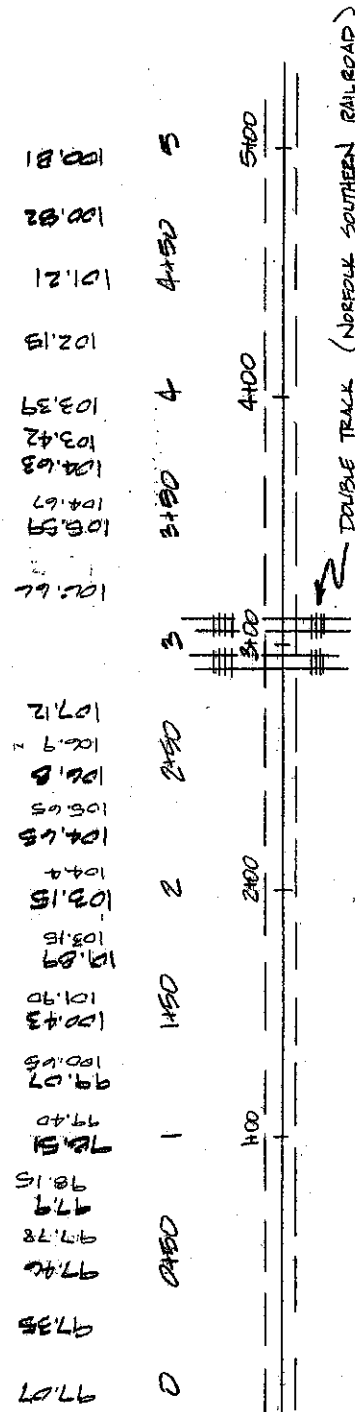
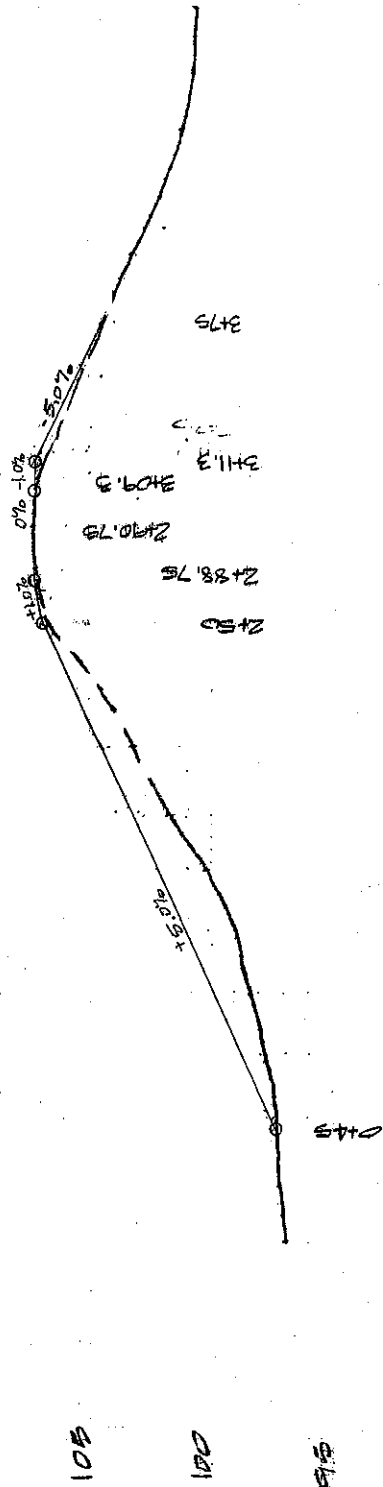
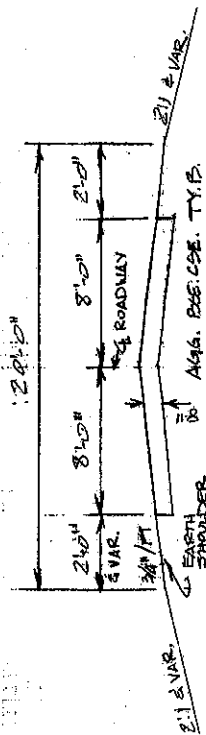
DOUBLE TRACK (NORFOLK SOUTHERN RAILROAD)



HILSON

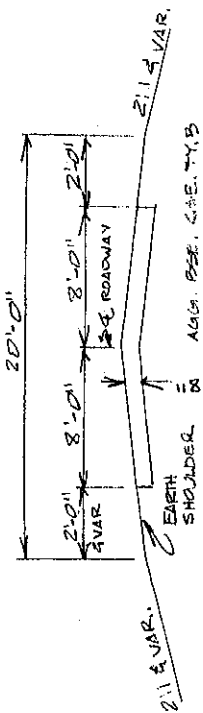
S. RAIL S. TRACK 107.24
N RAIL N TRACK 107.17

TYPICAL PROPOSED CROSS SECTION

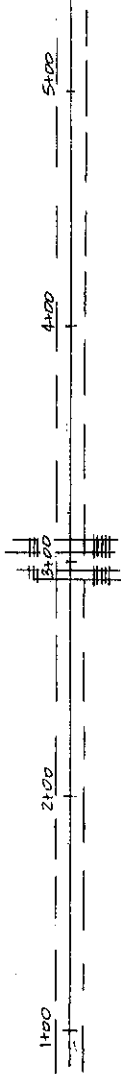




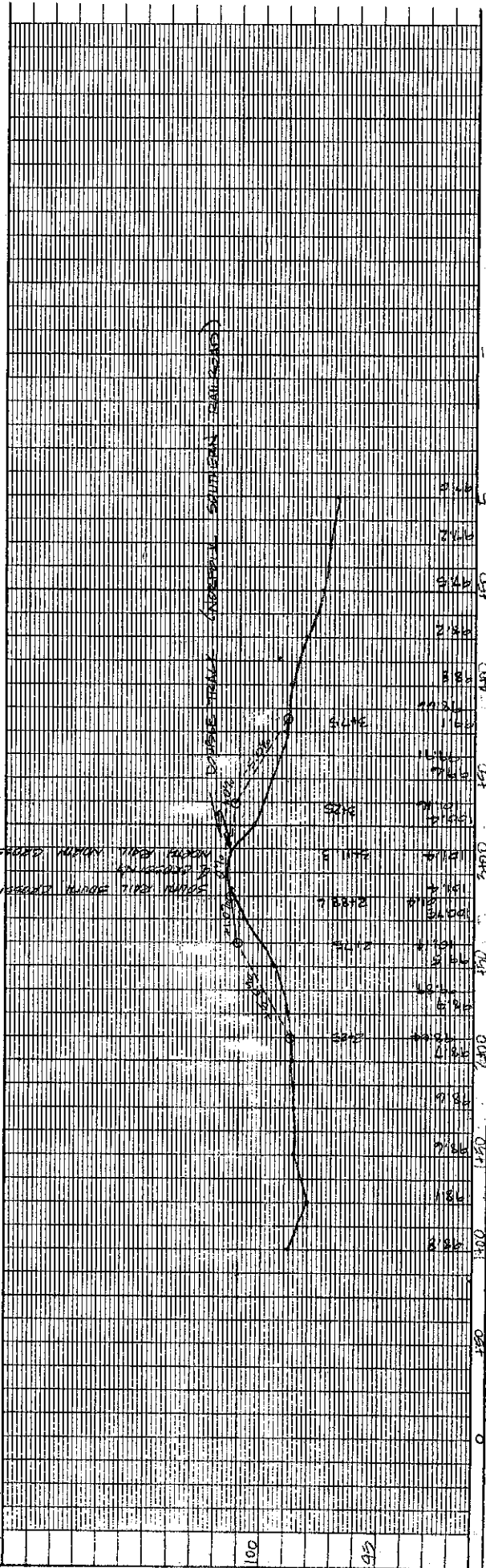
NORTH



TYPICAL PROPOSED CROSS SECTION



UNIMPROVED RAILROAD TRACK (GENERAL SOUTHERN RAILROAD)



ILLINOIS COMMERCE COMMISSION
STIPULATED AGREEMENT

Date 3/26/04

Agreement # 1062

The Bement Twp. Rd. Dist.
(Board or Council of Bement Township)

meeting on 3/26/04, Resolved to authorize Joe D. G. [Signature], Vary. Comm.
(Date) (Name, Office)

to act as its designated agent in the processing of this Stipulated agreement and
that the Bement Twp. Rd. Dist. is financially willing and able to
(Township)

bear the cost for the proposed improvements as may be assigned to it according
to Section 6 of this Agreement.

RECEIVED
MAR 29 2004

Illinois Commerce Commission
RAIL SAFETY SECTION

ILLINOIS COMMERCE COMMISSION
STIPULATED AGREEMENT

Date 2 FEB 2004

Agreement # 1062

The 26 year Commissioner Arlon Ankham
(Board or Council of Cerro Gordo Township)

meeting on 1/7/04, Resolved to authorize Arlon Ankham
(Date) (Name, Office)
26 year Commissioner

to act as its designated agent in the processing of this Stipulated agreement and
that the Cerro Gordo is financially willing and able to
(Township)

bear the cost for the proposed improvements as may be assigned to it according
to Section 6 of this Agreement.